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PCT10

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/009,340

DATE: 07/16/2002
 TIME: 14:02:31

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4 <110> APPLICANT: DUBREUCQ, BERTRAND
5     LEPINIEC, LOIC
6     CABOCHE, MICHEL
8 <120> TITLE OF INVENTION: PROMOTER ENABLING TRANSGENE EXPRESSION IN THE WHOLE
9     PLANT EXCEPT IN THE SEED
11 <130> FILE REFERENCE: 065691-0262
13 <140> CURRENT APPLICATION NUMBER: 10/009,340
14 <141> CURRENT FILING DATE: 2001-12-20
16 <150> PRIOR APPLICATION NUMBER: FR 99/07362
17 <151> PRIOR FILING DATE: 1999-06-10
19 <150> PRIOR APPLICATION NUMBER: PCT/FR00/01574
20 <151> PRIOR FILING DATE: 2000-06-08
22 <160> NUMBER OF SEQ ID NOS: 5
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 932
28 <212> TYPE: DNA
29 <213> ORGANISM: Arabidopsis thaliana
31 <220> FEATURE:
32 <223> OTHER INFORMATION: FAH promoter in Arabidopsis thaliana.
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37 tcaacatcag gctgatataa ccaatatctt acttctttta catttgtaga atggaaccaa 180
38 cccatttttc tggaaaaagt gctaaccaaa catttgatta accgtatcac tactactttc 240
39 atttctatct tctgtttcat tatgctgact atttaagctc cgttgtcaaa tctctaagtt 300
40 agacataaaa gacaaagact aatcaattgt catcacacca gcgtcgtcga gtgagctata 360
41 ttaatcgtgg attttaagca ttaaagaaac attctatagt actaaagcaa ataaaataat 420
42 tataatcaaa cactatgctt gacactggtc acgtgtactg gtagtgaatg attctacatc 480
43 ataagaggcc gcatcaaaat cctaaaaata agcataatga attaalcatt tacaaatttt 540
44 attttactca ataagaaaat cgaaagtatg attattatct agctgccaca atcttcgaat 600
45 ttaatattta ctcaagaaga gaccgacttt aatccttgac tttctcattg ctctatggaa 660
46 aatgattaaa gcagtcataa aaatcttttg acattgttgg cagaagacca ataattcgaa 720
47 gtctaaaaatg taatcgtcca cacagtgtat gagtacccta gtattttttt tcttttccat 780
48 ataagttgaa tttgtaatat atatagtgtg atgttggtta tttgtggcaa cgtacaaaat 840
49 tgggaatcct ataagtgcga cgacaagtga caagacgagg ctatgaacag ctaatgtatg 900
50 aagagagcca aaagagcaac aacctggcac ag                                     932
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54 <211> LENGTH: 20
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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71 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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80 <213> ORGANISM: Arabidopsis thaliana
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Fatty acid hydroxylase Fah 1p
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86 Met Val Ala Gln Gly Phe Thr Val Asp Leu Lys Lys Pro Leu Val Phe
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89 Gln Val Gly His Leu Gly Glu Asp Tyr Glu Glu Trp Val His Gln Pro
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92 Ile Ala Thr Lys Glu Gly Pro Arg Phe Phe Gln Ser Asp Phe Trp Glu
93 35 40 45
95 Phe Leu Thr Leu Thr Val Trp Trp Ala Val Pro Val Ile Trp Leu Pro
96 50 55 60
98 Val Val Val Trp Cys Ile Ser Arg Ser Val Ser Met Gly Cys Ser Leu
99 65 70 75 80
101 Pro Glu Ile Val Pro Ile Val Val Met Gly Ile Phe Ile Trp Thr Phe
102 85 90 95
104 Phe Glu Tyr Val Leu His Arg Phe Val Phe His Ile Lys Thr Lys Ser
105 100 105 110
107 Tyr Trp Gly Asn Thr Ala His Tyr Leu Ile His Gly Cys His His Lys
108 115 120 125
110 His Pro Met Asp His Leu Arg Leu Val Phe Pro Pro Thr Ala Thr Ala
111 130 135 140
113 Ile Leu Cys Phe Pro Phe Trp Asn Ile Ala Lys Ala Ile Ser Thr Pro
114 145 150 155 160
116 Ser Thr Ala Pro Ala Leu Phe Gly Gly Gly Met Leu Gly Tyr Val Met
117 165 170 175
119 Tyr Asp Val Thr His Tyr Tyr Leu His His Ala Gln Pro Thr Arg Pro
120 180 185 190
122 Val Thr Lys Asn Leu Lys Lys Tyr His Leu Asn His His Phe Arg Ile
123 195 200 205
125 Gln Asp Lys Gly Phe Gly Ile Thr Ser Ser Leu Trp Asp Ile Val Phe
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132 <210> SEQ ID NO: 5
133 <211> LENGTH: 714

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134 <212> TYPE: DNA

135 <213> ORGANISM: Arabidopsis thaliana

137 <220> FEATURE:

138 <223> OTHER INFORMATION: Coding sequence for fatty acid hydroxylase

139 Fah 1P

141 <400> SEQUENCE: 5

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144 ttttttcaga gtgacttttg ggagttcttg acacttacag tttggtgggc agttcctgtc 180
145 atttggttgc cagttgtagt ctggtgcata tcaaggtcag taagtatggg atgttcactt 240
146 ccagaaatcg tccaattgt tgtcatggga atattcatct ggacattttt tgaatacgtt 300
147 cttcaccggt tegttttcca cataaaaacg aagagttact ggggaaacac tgcacactat 360
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151 cattattacc ttcaccatgc ccaacctact agaccagtga ccaaaaatct caagaagtac 600
152 catttgaatc atcacttcag gattcaggac aaaggatttg gtataacttc gtcgttatgg 660
153 gacatagtct ttgggacact tcccaccaca aaagccccc gaaaagagca atag 714
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VERIFICATION SUMMARY

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